

Non-contact, bubbler sensor for longterm surface water level monitoring

- **Application**
  Surface water, Groundwater
- **Measurement technology**
  Bubbler-in
- **Product Highlights**
  Drift-free water level measurement - no pressure sensor or electronics in the water
- **Measurement range**
  0 to 15 m or 0 to 30 m
- **Accuracy**
  ± 3 mm (high accuracy version); ± 5 mm (standard and 30 meter versions)
- **Internal data logger**
  No
- **Interface**
  SDI-12, RS-485 (using SDI-12), or 4 ...20 mA

The OTT CBS is a compact, accurate, and low power bubbler sensor for surface water level monitoring. The OTT CBS meets or exceeds USGS standards for accuracy, and will not drift over time. It features outputs for SDI-12 and 4...20 mA.

We reserve the right to make technical changes and improvements without notice. V-04/06/2020
OTT Hydromet GmbH, Germany

Water level measurement

Measuring range	
Version "Standard" and "USGS specification"	0 ... 15 m (0...50 ft)
Version "30 m measuring range"	0 ... 30 m (0...100 ft)
Resolution	1 mm (0.01 ft)
Accuracy	
Version "Standard" and "30m measuring range"	±5 mm
Version "USGS specification"	0 ... 15 ft: ±0.01 % 15 ... 50 ft: ±0.065 % of measurement value or 0.02 ft, whichever is less
Units	m, ft, bar, PSI

Electrical data	
Interfaces	4 ... 20 mA, SDI-12, SDI-12 via RS-485
Power supply	10 ... 30 V DC, typ. 12/24 V DC

Current consumption	
Measuring interval 1 min	typ. 320 mAh/day
Measuring interval 15min	typ. 25 mAh/day

Housing material	ABS

Dimensions L x W x H	165 mm x 205 mm x 115 mm

Weight	approx. 1,500 g

Protection class	IP43
Environmental conditions	
Operating temperature	-20 ... +60 °C
Storage temperature	- 40 ... +85 °C
Relativ air humidity	10 ... 95 %; not condensing

Measuring tube	inner diameter typ. 2 mm or 4 mm

EMV - limit values	According to IEC61326 and EN61326

We reserve the right to make technical changes and improvements without notice. V-04/06/2020
OTT Hydromet GmbH, Germany